



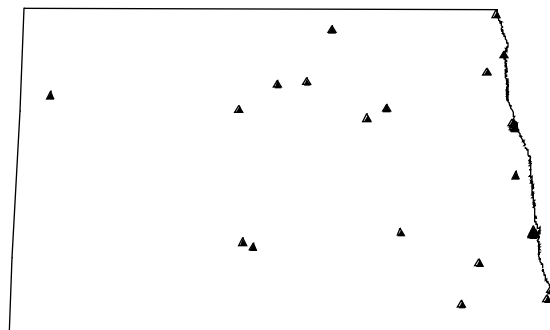
## 1996 TOXICS RELEASE INVENTORY

# NORTH DAKOTA

### State/TRI Data

|                  |         |
|------------------|---------|
| Population       | 642,633 |
| Total Facilities | 35      |
| Total Forms      | 93      |
| Form As          | 15      |

|                           |           |
|---------------------------|-----------|
| National Rank for         |           |
| On- and Off-site Releases | 49        |
| On-site Releases          | 48        |
| Transfers into State      |           |
| National Rank             | 41        |
| Pounds                    | 1,519,024 |
| Transfers out of State    |           |
| National Rank             | 52        |
| Pounds                    | 35,952    |



### Reported Releases and Waste Management Activities (pounds)

|   |           |
|---|-----------|
| On- and Off-site Releases                       | 2,325,120 |
| On-site Releases                                | 2,322,354 |
| Air Emissions                                   | 2,003,965 |
| Surface Water Discharges                        | 317,631   |
| Underground Injection                           |           |
| Class I Wells                                   | 0         |
| Class II-V Wells                                | 0         |
| Releases to Land                                |           |
| RCRA Subtitle C Landfills                       | 0         |
| Other On-site Land Releases                     | 758       |
| Transfers Off-site to Disposal                  | 2,766     |
| On-site Waste Management                        | 4,901,304 |
| Recycling                                       | 44,438    |
| Energy Recovery                                 | 3,300     |
| Treatment                                       | 4,853,566 |
| Off-site Transfers for Further Waste Management | 1,035,488 |
| Recycling                                       | 802,146   |
| Energy Recovery                                 | 19,711    |
| Treatment                                       | 15,583    |
| Publicly Owned Treatment Works (POTWs)          | 198,048   |
| Other Off-site Transfers                        | 0         |

### For More Information. . .

State Contact:  
Robert W. Johnston  
(701) 328-2111  
Fax (701) 328-2119

EPA Regional Contact:  
Jack Salter  
(303) 312-6026  
Fax (303) 312-6044

To obtain TRI data use assistance,  
call TRI User Support Service (TRI-US):  
(202) 260-1531 Fax (202) 401-2347



# 1996 TOXICS RELEASE INVENTORY

# NORTH DAKOTA

## Top Ten Chemicals for On- and Off-site Releases

| CAS Number | Chemical               | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection |                         | On-site Releases to Land         |                                    | Total On-site Releases Pounds | Total Transfers Off-site to Disposal Pounds | On- and Off-site Releases Pounds |
|------------|------------------------|----------------------|---------------------------------|-----------------------|-------------------------|----------------------------------|------------------------------------|-------------------------------|---|----------------------------------|
|            |                        |                      |                                 | Class I Wells Pounds  | Class II-V Wells Pounds | RCRA Subtitle C Landfills Pounds | Other On-site Land Releases Pounds |                               |   |                                  |
| 7664-41-7  | Ammonia                | 722,129              | 14,298                          | 0                     | 0                       | 0                                | 750                                | 737,177                       | 1   | 737,178                          |
| 110-54-3   | n-Hexane               | 510,343              | 0                               | 0                     | 0                       | 0                                | 0                                  | 510,343                       | 0   | 510,343                          |
| —          | Nitrate compounds      | 0                    | 303,304                         | 0                     | 0                       | 0                                | 0                                  | 303,304                       | 0   | 303,304                          |
| 1330-20-7  | Xylene (mixed isomers) | 151,879              | 0                               | 0                     | 0                       | 0                                | 0                                  | 151,879                       | 0   | 151,879                          |
| 100-42-5   | Styrene                | 89,125               | 0                               | 0                     | 0                       | 0                                | 0                                  | 89,125                        | 0   | 89,125                           |
| 7664-39-3  | Hydrogen fluoride      | 80,000               | 0                               | 0                     | 0                       | 0                                | 0                                  | 80,000                        | 0   | 80,000                           |
| —          | Glycol ethers          | 76,475               | 0                               | 0                     | 0                       | 0                                | 0                                  | 76,475                        | 0   | 76,475                           |
| 108-88-3   | Toluene                | 75,130               | 0                               | 0                     | 0                       | 0                                | 0                                  | 75,130                        | 0   | 75,130                           |
| 115-07-1   | Propylene              | 61,900               | 0                               | 0                     | 0                       | 0                                | 0                                  | 61,900                        | 0   | 61,900                           |
| 78-93-3    | Methyl ethyl ketone    | 53,309               | 0                               | 0                     | 0                       | 0                                | 0                                  | 53,309                        | 0   | 53,309                           |

## Top Ten Facilities for On- and Off-site Releases

| Facility / City, County                       | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection |                         | On-site Releases to Land         |                                    | Total On-site Releases Pounds | Total Transfers Off-site to Disposal Pounds | On- and Off-site Releases Pounds |
|---|----------------------|---------------------------------|-----------------------|-------------------------|----------------------------------|------------------------------------|-------------------------------|---|----------------------------------|
|   |                      |                                 | Class I Wells Pounds  | Class II-V Wells Pounds | RCRA Subtitle C Landfills Pounds | Other On-site Land Releases Pounds |                               |   |                                  |
| Minn-Dak Farmers Co-Op., Wahpeton, Richland   | 308,669              | 303,712                         | 0                     | 0                       | 0                                | 0                                  | 612,381                       | 0   | 612,381                          |
| Amoco Oil Co., Mandan, Morton                 | 344,553              | 1,300                           | 0                     | 0                       | 0                                | 8                                  | 345,861                       | 408   | 346,269                          |
| ADM Processing, Velva, Mc Henry               | 287,000              | 0                               | 0                     | 0                       | 0                                | 0                                  | 287,000                       | 0   | 287,000                          |
| American Crystal Sugar Co., Hillsboro, Traill | 213,250              | 250                             | 0                     | 0                       | 0                                | 0                                  | 213,500                       | 0   | 213,500                          |
| American Crystal Sugar Co., Drayton, Pembina  | 166,490              | 12,340                          | 0                     | 0                       | 0                                | 750                                | 179,580                       | 0   | 179,580                          |
| ADM, Enderlin, Ransom                         | 106,943              | 0                               | 0                     | 0                       | 0                                | 0                                  | 106,943                       | 0   | 106,943                          |
| Case Corp., Fargo, Cass                       | 100,213              | 9                               | 0                     | 0                       | 0                                | 0                                  | 100,222                       | 910   | 101,132                          |
| Melroe Co., Gwinner, Sargent                  | 76,735               | 0                               | 0                     | 0                       | 0                                | 0                                  | 76,735                        | 0   | 76,735                           |
| Cargill Inc., West Fargo, Cass                | 74,200               | 0                               | 0                     | 0                       | 0                                | 0                                  | 74,200                        | 0   | 74,200                           |
| TIC United Corp., Wahpeton, Richland          | 71,994               | 0                               | 0                     | 0                       | 0                                | 0                                  | 71,994                        | 0   | 71,994                           |

### For More Information. . .

State Contact:  
Robert W. Johnston  
(701) 328-2111  
Fax (701) 328-2119

EPA Regional Contact:  
Jack Salter  
(303) 312-6026  
Fax (303) 312-6044

To obtain TRI data use assistance,  
call TRI User Support Service (TRI-US):  
(202) 260-1531 Fax (202) 401-2347